

### Land Capability Classification

The land capability classification system is used to show, in a general way, the suitability of soils for cropland. It is a three-category interpretative system. The two highest categories, class and subclass, give broad perspective of the suitability of map units for certain crops or pasture. These categories indicate the degree and kinds of limitations for these uses. The system evaluates soils for mechanized farming systems that produce the more common cultivated field crops, such as corn, small grains, cotton, hay, and field grown vegetables.

#### Capability Class

The highest category of the system is the capability class. The capability classes are groups of soils that have the same general suitability for the broad kinds of use common on farms and ranches. There are eight classes designated by Roman numerals I through VIII.

Classes I, II, III, and IV are suitable for mechanized production of common field crops if properly managed, and for production of pasture and woodland. The degree of limitation for production of cultivated crops increases progressively for class I to class IV. Limitations may affect production as well as the risk of permanent soil deterioration, as by erosion.

Classes V, VI, and VII are generally not suited to mechanized production of common field crops without special management, but are suitable for permanent cover such as grasses and trees. The severity of the soil limitations for crops increases from class V to class VII. Areas in class VIII are generally not suitable for crops, pasture, or wood products without management that is impractical. Class VIII areas may have potential for other uses, such as recreation or wildlife habitat.

#### Capability Subclass

The subclass identifies the dominant kind of limitation in the class. They are designated by adding a small letter, e, w, s, or c, to the class numeral, for example, IIe. The letter e shows that the main limitation is risk of erosion unless a close-growing plant cover is maintained; w shows that water in or on the soil interferes with plant growth or cultivation (in some soils the wetness can be partly corrected by artificial drainage); s shows that the soil is limited mainly because it is shallow, droughty, or stony; and c, used in only some parts of the United States, shows that the chief limitation is climate that is very cold or very dry.

There are no subclasses in class I because the soils of this class have few limitations. The soils in class V are subject to little or no erosion, but they have other limitations that restrict their use mainly to pasture, woodland, wildlife habitat, or recreation. Class V contains only the subclasses indicated by w, s, or c.

#### Capability Unit

The lowest category of the capability system is the capability unit. Capability units are soil groups within a subclass. The soils in a capability unit are enough alike to be suited to the same crops and pasture plants, to require similar management, and to have similar productivity. Units are designated by Arabic numerals, for example IIe-2. This category is not used in all soil surveys.

### Crop Yield Estimates

The average yields per acre that can be expected of the principal crops under a high level of management are presented in the following table. In any given year, yields may be higher or lower than those indicated in the table because of variations in rainfall and other climatic factors. The yields are based mainly on the experience and records of farmers, conservationists, and extension agents. Available yield data from nearby counties and results of field trials and demonstrations are also considered.

The management needed to obtain the indicated yields of the various crops depends on the kind of soil and the crop. Management can include drainage, erosion control, and protection from flooding; the proper planting and seeding rates; suitable high-yielding crop varieties; appropriate and timely tillage; control of weeds, plant diseases, and harmful insects; favorable soil reaction and optimum levels of nitrogen, phosphorus, potassium, and trace elements for each crop; effective use of crop residue, barnyard manure, or green manure crops; and harvesting that insures the smallest possible loss.

The estimated yields reflect the productive capacity of each soil for each of the principal crops. Yields are likely to increase as new production technology is developed. The productivity of a given soil compared with that of other soils, however, is not likely to change. Absence of a yield indicates that the soil is not suited to the crop or the crop is generally not grown on the soil.

## Land Capability and Yields per Acre of Crops

Piscataquis County, Maine, Southern Part

Yields are those that can be expected under a high level of management. They are for nonirrigated areas. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil.

Map Symbol and Soil Name	Land Capability	Corn Silage	Irish Potatoes	Oats
		Tons	Cwt	Bu
AdB: Adams	3s	16.00	260.00	50.00
AEC: Adams	4e	---	---	---
AFD: Adams	6e	---	---	---
Allagash	4e	---	---	---
AgB: Allagash	2e	22.00	360.00	80.00
AgC: Allagash	3e	20.00	300.00	60.00
AHC: Allagash	3e	---	---	---
Adams	4e	---	---	---
BeB: Berkshire	6s	---	---	---
BFC: Berkshire	6s	---	---	---
Lyman	6s	---	---	---
BFD: Berkshire	6s	---	---	---
Lyman	7s	---	---	---
BhB: Boothbay	2w	22.00	270.00	55.00
BOB: Boothbay	2w	---	---	---
Swanville	4w	---	---	---
BP: Brayton	7s	---	---	---
Peacham	7s	---	---	---
CC: Charles	4w	---	---	---

## Land Capability and Yields per Acre of Crops - Continued

Piscataquis County, Maine, Southern Part

Map Symbol and Soil Name	Land Capability	Corn Silage	Irish Potatoes	Oats
		Tons	Cwt	Bu
CC: Cornish	3w	---	---	---
Wonsqueak	7w	---	---	---
CeB: Chesuncook	2w	18.00	270.00	55.00
CeC: Chesuncook	3e	16.00	240.00	50.00
CFD: Chesuncook	6s	---	---	---
Elliottsville	6s	---	---	---
Telos	6s	---	---	---
CHD: Chesuncook	6s	---	---	---
Telos	6s	---	---	---
CoB: Colonel	3w	16.00	---	---
CPB: Colonel	6s	---	---	---
Brayton	7s	---	---	---
Dixfield	6s	---	---	---
CQB: Colonel	6s	---	---	---
Brayton	7s	---	---	---
CRC: Colonel	7s	---	---	---
Hermon	7s	---	---	---
CsB: Cornish	3w	---	250.00	55.00
Charles	4w	---	---	---
Fryeburg	2e	25.00	320.00	---
Cv: Cornish	3w	18.00	250.00	55.00
Lovewell	2w	25.00	310.00	77.00

## Land Capability and Yields per Acre of Crops - Continued

Piscataquis County, Maine, Southern Part

Map Symbol and Soil Name	Land Capability	Corn Silage	Irish Potatoes	Oats
		Tons	Cwt	Bu
DaB: Danforth	2e	17.00	280.00	65.00
DBC: Danforth	6s	---	---	---
DBD: Danforth	6s	---	---	---
DEC: Danforth	6s	---	---	---
Masardis	4s	---	---	---
Peacham	7s	---	---	---
DfB: Dixfield	2w	20.00	270.00	55.00
DXC: Dixfield	6s	---	---	---
Colonel	6s	---	---	---
DYC: Dixfield	6s	---	---	---
Colonel	6s	---	---	---
Lyman	6s	---	---	---
EcB: Elliottsville	2e	20.00	275.00	55.00
Chesuncook	2w	18.00	270.00	55.00
EMC: Elliottsville	6s	---	---	---
Monson	6s	---	---	---
EMD: Elliottsville	6s	---	---	---
Monson	6s	---	---	---
END: Enchanted	7s	---	---	---
ENE: Enchanted	7s	---	---	---
Fr: Fryeburg	1	26.00	330.00	70.00

## Land Capability and Yields per Acre of Crops - Continued

Piscataquis County, Maine, Southern Part

Map Symbol and Soil Name	Land Capability	Corn Silage	Irish Potatoes	Oats
		Tons	Cwt	Bu
HoB: Howland	2w	18.00	290.00	60.00
HRB: Howland	6s	---	---	---
Monarda	7s	---	---	---
LAD: Lyman	6s	---	---	---
Abram	7s	---	---	---
LAE: Lyman	7s	---	---	---
Abram	7s	---	---	---
LTD: Lyman	7s	---	---	---
Tunbridge	6s	---	---	---
LTE: Lyman	7s	---	---	---
Tunbridge	7s	---	---	---
MaC: Marlow	3e	20.00	290.00	50.00
MDD: Marlow	6s	---	---	---
Dixfield	6s	---	---	---
MLE: Marlow	7s	---	---	---
Lyman	7s	---	---	---
Berkshire	7s	---	---	---
MND: Marlow	6s	---	---	---
Dixfield	6s	---	---	---
Lyman	7s	---	---	---
MrB: Masardis	3s	14.00	250.00	50.00
MSC:				

## Land Capability and Yields per Acre of Crops - Continued

Piscataquis County, Maine, Southern Part

Map Symbol and Soil Name	Land Capability	Corn Silage	Irish Potatoes	Oats
		Tons	Cwt	Bu
MSC: Masardis	4s	---	---	---
MTE: Masardis	7s	---	---	---
Adams	7e	---	---	---
MvB: Monarda	4w	---	---	---
MW: Monarda	7s	---	---	---
Burnham	7s	---	---	---
MXB: Monarda	7s	---	---	---
Howland	6s	---	---	---
Thorndike	6s	---	---	---
MYD: Monson	6s	---	---	---
Elliottsville	6s	---	---	---
Ricker	6s	---	---	---
MYE: Monson	7s	---	---	---
Elliottsville	7s	---	---	---
Ricker	7s	---	---	---
PeB: Penquis	2e	29.00	345.00	75.00
Plaisted	2e	18.00	330.00	75.00
PeC: Penquis	3e	22.00	300.00	---
Plaisted	3e	16.00	270.00	---
PFC: Berkshire	6s	---	---	---
Penquis	6s	---	---	---
Plaisted	6s	---	---	---
PhB:				

## Land Capability and Yields per Acre of Crops - Continued

Piscataquis County, Maine, Southern Part

Map Symbol and Soil Name	Land Capability	Corn Silage	Irish Potatoes	Oats
		Tons	Cwt	Bu
PhB: Penquis	2e	29.00	345.00	75.00
Thorndike	2e	16.00	---	---
PhC: Penquis	3e	20.00	280.00	55.00
Thorndike	3e	14.00	---	---
Ps: Pits	8s	---	---	---
PtB: Plaisted	2e	18.00	330.00	75.00
PtC: Plaisted	3e	16.00	270.00	70.00
PWC: Howland	6s	---	---	---
Plaisted	6s	---	---	---
Penquis	6s	---	---	---
PWD: Penquis	6s	---	---	---
Plaisted	6s	---	---	---
Howland	6s	---	---	---
ROD: Ricker	7s	---	---	---
Rock Outcrop	8s	---	---	---
SRD: Saddleback	7s	---	---	---
Ricker	7s	---	---	---
SRE: Saddleback	7s	---	---	---
Ricker	7s	---	---	---
SUD: Surplus	7s	---	---	---
Sv: Swanville	4w	---	---	---
SW:				

## Land Capability and Yields per Acre of Crops - Continued

Piscataquis County, Maine, Southern Part

Map Symbol and Soil Name	Land Capability	Corn Silage	Irish Potatoes	Oats
		Tons	Cwt	Bu
SW:				
Swanville	4w	---	---	---
Wonsqueak	7w	---	---	---
TeB:				
Telos	3w	18.00	240.00	80.00
THC:				
Telos	6s	---	---	---
Chesuncook	6s	---	---	---
TLC:				
Telos	6s	---	---	---
Chesuncook	6s	---	---	---
Elliottsville	6s	---	---	---
TMB:				
Telos	6s	---	---	---
Monarda	7s	---	---	---
TNB:				
Telos	6s	---	---	---
Monarda	7s	---	---	---
Monson	6s	---	---	---
ToC:				
Thorndike	3e	14.00	240.00	40.00
Abram	7s	---	---	---
TRC:				
Thorndike	6s	---	---	---
Abram	7s	---	---	---
TSC:				
Thorndike	6s	---	---	---
Penquis	6s	---	---	---
TtB:				
Thorndike	2e	16.00	270.00	45.00
Penquis	2e	29.00	345.00	75.00
Abram	7s	---	---	---
UpB:				

## Land Capability and Yields per Acre of Crops - Continued

Piscataquis County, Maine, Southern Part

Map Symbol and Soil Name	Land Capability	Corn Silage	Irish Potatoes	Oats
		Tons	Cwt	Bu
UpB: Urban Land	8s	---	---	---
Penquis	2e	29.00	345.00	75.00
Plaisted	2e	18.00	330.00	75.00
WB: Wonsqueak	7w	---	---	---
Bucksport	7w	---	---	---